



THE **SCIENTIST** AND **ENGINEER**

ASE On The Move, The Washington Navy Yard

ASE members have been busy, busy, busy. The relocation of the headquarters component of the Naval Sea Systems Command to the historic Washington Navy Yard has begun. After many years of planning and construction of new state-of-the-art facilities at the Washington Navy Yard, the final stage - the movement of people - has commenced. The staged transition of employees from our 25 year-old home in Arlington, VA, that began in January will not be completed until the summer of 2001. Although we leave many fond memories of our professional life in Crystal City, the new opportunities awaiting us at our historic new home seem limitless.

The relocation has also had its effect on ASE's traditional programmatics for this year. The Executive Board decided to forego the execution of our traditional spring technical symposium. The ongoing disruption of the membership with move related tasks was seen as too risky to the successful execution of the annual technical symposium, which entails a significant financial commitment by our society for rental related expenses.

But don't fret. Plans are being put in place right now for a technical awards event at our new home here at the Washington Navy Yard for this summer. The Executive Board thinks it is critically important to recognize the tremendous efforts of our professional community. And what better place for ASE to commend our naval scientists and engineers than at our historic Washington Navy Yard facility. So stay tuned; there will be an announcement shortly.

ASE Elected Board Members

<i>President –</i>	Tom Lockwood
<i>Vice President –</i>	Anne Sandel
<i>Secretary –</i>	Jeff Lawler
<i>Treasurer –</i>	Mary Hunstad
<i>Audit –</i>	John James
<i>Membership –</i>	Beau Brinckerhoff
<i>Rules/Bylaws –</i>	Mike Dropik
<i>Legislative –</i>	Mike Safina

ASE Committee Chairs

Awards –	Tom Martin
Program –	John Fraas
History –	Neal Zarin
Science & Ed –	Dan Cross Cole/ Dale Sowell
Keymember –	Frank Pesce
Symposium –	-----
Vice Chair –	Billy Douglas
Nominating –	Neil Baron
Prof. Dev. –	William Schoenster
Public Relations -	Angela Smookler
ASNE Flagship –	CDR Bob Klocek
Web Master –	Steve Viscidi
Carderock Chapter-	Steve Viscidi

THE PRESIDENTS MESSAGE,

By Tom Lockwood

Greetings from Washington Navy Yard!

Our move to the "yard" represents both an actual and a symbolic change for the Naval Sea Systems Command and for its professional organization – the Association of Scientists and Engineers. This change is just one link within the continuous chain forged by the scientists and engineers who have come before us – and prepares us for the changes ahead. These changes will be substantial.

For over fifty years, the National Security Act of 1947 has shaped how we monitor and interpret threats to our nation's security; supports allocation of resources; fosters our approach to science and technology; and focused system development and procurement.

The President and Congress are moving beyond the "Post-Cold War Era." Upon taking office, President Bush tasked each Department Secretary and Agency Director to perform a bottoms-up review of missions, strategies, policies, and allocation of resources. The 106th Congress chartered several commissions to review our approach to future national security. Great change is predicted

The American Navy is the master of change. For over two hundred years, our predecessors provided the most capable ships, weapon systems and payloads in the world--creating the most powerful Nation and Navy the world has ever known. The Navy has redefined the future with technology steps and leaps, which have led to today's engineering marvels—ships and systems perceived as science fiction from the leading

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minds of only a few generations ago. Whether the coming change is driven by policy, technology, or location – the Navy will successfully manage and master the opportunities.

ASE will be a leader within NAVSEA during this time of change. We will continue to promote the professional development of our members, maintain high standards of professional ethics and competence, and foster a spirit of good fellowship and cooperation.

ASE has a strong board of professionals to help manage

through this time of change. Our Vice-President **Anne Sandel** and Audit Chair **John James** are highly visible, knowledgeable senior executives in NAVSEA. Our Former President **Neil Baron**, Secretary **Jeff Lawler**, Treasurer **Mary Hunstad**, and Rules/Bylaws Chair **Mike Dropik** collectively have many years of active ASE experience, contributing and serving in various roles, and possessing a well-rounded knowledge of the organization. Membership Chair **Beau Brinckerhoff**, and Legislative Chair **Mike Safina** bring the combination of enthusiasm coupled with discipline and the ability to implement ideas. This professionalism extends through to our appointed Committee Chairs –who I can't say enough about, each person dedicated to this organization.

The Board has constructed a plan for our future to be implemented over the several



months. I will speak to each of these in future messages, but key elements include:

- Opportunities for Participation
- Promoting & Communicating
- Membership
- Members Only Advantages
- Leveraging and Out-Reach
- Move to the Navy Yard

ASE's Webmaster, **Steve Viscidi** has developed our website and details on the board's plan will be available for your comment.

The board's highest priority is that ASE continue to offer opportunities for professional participation and achievement during this time of change. Noontime forums, and opportunities to hear and discuss various topics of up-to-date professional interest, will continue throughout the year. **John Fraas, Dolly Hoffman,** and **Angela Smookler** are picking up the high standards that **Mike Safina** raised for regularly scheduled, well promoted programs. While we have seen our last noontime forum in NC3-3S11, soon the programs will resume and continue here at the yard. If you have thoughts on specific forums of interest – please contact John Fraas.

ASE will continue to offer opportunities for community out reach and working with **ASE continues to**

offer opportunities for professional participation and achievement . . .

children. **Dale Sowell** and **Dan Cross-Cole** are leading our community outreach through science and education programs and scholarships. If you haven't helped out at a science fair, consider taking the time.

The most significant change from previous years is our annual spring-time symposium, luncheon, and awards ceremony. With many of our members serving in lead and support roles of the move - and the impact of the move itself on all of our members - the Board and I decided not to hold a symposium this year. Instead, we opted to hold a luncheon and awards ceremony only. We will use this opportunity to come together and recognize those who contribute to ASE and our Command. We will resume our normal schedule next year. Awards Chair **Tom Merten**, Keymember Chair **Frank Pesce** will be critical within this event's success.

Change is coming - it always has and always will. We are the Navy's engineers and scientists - we chose to be part of something larger than ourselves, beyond a physical location and present technologies. We build and contribute to society and our

nation through our combined thoughts and actions. Through our willingness to belong to something larger than ourselves, we forgo individual notoriety that seems to come so often with other professions that add so little to our social fabric.

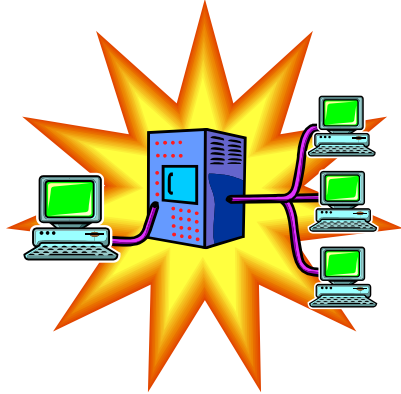
There are opportunities in change. ASE will help prepare its members and the Command for seizing these opportunities and successfully managing the coming change. This takes your participation and your involvement.

Warmest Regards,
Thomas J. Lockwood
President, ASE.



ASE WEB SITE, ON LINE SOON!

By Steve Viscidi



ASE is in the process of producing its first website. The site went through the review process to be approved for public viewing and is now online at

www.navsea.navy.mil/ase.

The website will include on-line access to the technical papers published by members over the past years on various topics of naval architecture and marine engineering. The hope is that the site will become another technical resource for our membership and ease the storage and access issues that exist with our past technical papers from previous technical symposium events. Our historian, Neal Zarin, has spent the last year digitizing the majority of the papers from past symposia and getting our information prepared for the new website. The site will also include society information as well as schedules for upcoming ASE sponsored events like our very popular noontime professional forums. Check out our site online soon.

LEGISLATIVE UPDATE

By Mike Safina

Tax Filing for the NAVSEA Employee!

Did you know that as a federal employee you can get free electronic filing from the Internal Revenue Service? It's true, and I've been using this FREE service for several years. Here's what you do.

Take your NAVSEA badge and your completed federal and Maryland, Virginia, West Virginia, or DC tax forms to one of the following locations:

Main Internal Revenue
Service
1111 Constitution
Avenue, NW
Room 1318
202-927-9245

IRS New Carrollton
Federal Building
5000 Ellin Road
Room C1-530
202-283-7341

These service centers will be operational January 17 through April 11, 2001. Office hours are between 8 am and 4 pm at both locations.

I used the main office (the entrance is on 12th Street, just south of the Old Post Office Pavillion). A very friendly assistant will make sure you

have all your forms. You will need to fill out forms authorizing them to file your returns electronically.

In about 2 weeks, your return will be processed and funds will either be debited or credited to your bank account.

It's that simple. I was in and out within 15 minutes. If you have any questions, please call the phone numbers listed.

For additional tax information, check out these web sites:
Federal:

www.irs.ustreas.gov/

DC:

www.dccfo.com/service/s/tax/forms/index.shtm

Maryland:

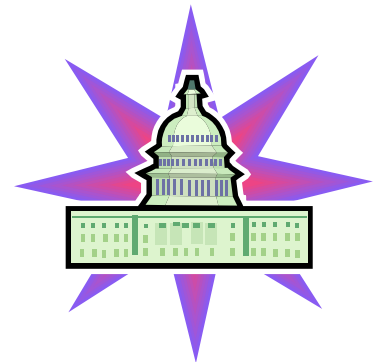
www.comp.state.md.us/

West VA:

www.state.wv.us/taxdiv/

Virginia:

www.tax.state.va.us/



Tax Break on FEHB Premiums

Effective 1 October, 2000, all federal employees (not retirees) became eligible for a tax break on their Federal Employees Health Benefits Program (FEHB) premiums. Since then, FEHB premiums have been treated as a pre-tax salary deduction. This reduces your taxable income for the year. Participation in this tax break is automatic (similar to how deductions for the Thrift Savings Plan works) unless employees elect to waive it. Additional details are available at www.fedweek.com/newhotnews/072600.htm.

District of Columbia Council of Engineering and Architectural Societies (DCCEAS)

ASE is a member society of the DC Council of Engineering and Architectural Societies (DCCEAS). DCCEAS helps the engineering, architectural and technically related organizations in the DC area to render public service and advance the professions through public interest, scientific and educational pursuits. Through DCCEAS, ASE participates in local school events such as science fairs, and receives notices of calls for nationally recognized professional awards, many of which NAVSEA employees have won. Visit the

DCCEAS web site at www.dcceas.org/new.htm for more details.

New Round of Base Closings?

The Defense Department (DoD) is seeking authorization to hold two more rounds of base closings in 2003 and 2005. Senator John McCain, R-AZ, has offered legislation (S-397) reflective of the Pentagon's desires. According to DoD estimates, the Defense Department still has excess infrastructure on the order of 23 percent. Proposals such as this have been raised the last several years by the Clinton administration, however DoD was unable to get congress to agree. Defenses Secretary Donald Rumsfeld is open to the idea of further base closings. Like the previous proposals, the bill would set up a special commission on base closings, whose recommendations would take effect unless Congress and the White House stopped them.

Status of Special Rate Lawsuit

In the 1982-1988 time period, federal employees paid under special rates were denied annual cost of living adjustments. Since these employees were under special rates, the Office of Personnel Management ruled that they were not entitled to the

adjustments. The National Treasury Employees Union and the Justice Department are due to appear in court April 4 to provide a status report on how the issue is to be resolved, specifically, how to identify those who are eligible and how to calculate payments. The union estimates some 180,000 employees and former employees are impacted.

New Thrift Savings Contributions

On December 21, 2000, President Clinton signed the Omnibus Consolidated and Emergency Supplemental Appropriations Act for Fiscal Year 2001. This law has resulted in changes to the amounts that employees can contribute to their TSP accounts. Starting with the next TSP open season (beginning in May), both CSRS and FERS



employees will be able to elect to increase their level of contributions by 1% up to their respective levels of 6% and

11% of income. These contributions will become effective in July. Effective January of 2002 and each following year, the contribution limits will increase by 1% each year until January 2006, at which time the limit will be eliminated completely. The IRS annual deferral limit (\$10,500 for 2001) remains in effect. Agency contributions remain unaffected. Additional information is available at <http://www.tsp.gov/general/sitemap.html>.

FY 2002 Pay Raise

The question of a federal pay raise was posed to the President by the heads of the two largest federal employee unions, the American Federation of Government Employees and the National Treasury Employees Union. Both unions asked President Bush to meet so they can discuss putting the 1990 federal pay law back on track. The 1990 law promised a series of raises to close the pay gap with private industry, starting in 1994, but President Clinton did not follow the schedule and the pay gap today is roughly the same as it was then. While President Bush hasn't made any promises, some form of a pay raise is likely. It is interesting to note that it was President Bush's father who signed the law in 1990.

To stay up to date on this and other issues affecting federal employees, go to www.fedweek.com and subscribe to the weekly newsletter.

SCIENCE & EDUCATION

By Dale Sowell

John J. Nachtsheim Scholarship

ASE is sponsoring a scholarship award(s) for college students in the fields of science, engineering or naval architecture. The award(s) are named for the late John J. Nachtsheim, who served as President of ASE in 1964-1965 and was later an Honorary Member.

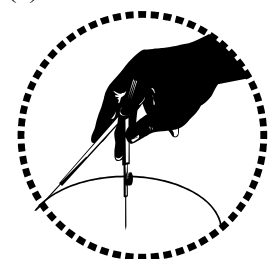
John Nachtsheim's service with NAVSEA's predecessor and field activities began as a member of the first Engineer In Training (EIT) class at the Bureau of Ships (BUSHIPS). He later worked as a BUSHIPS Naval Architect (1948-1958), the Deputy Chief Design Engineer (1958-1959) at the Puget Sound Naval Shipyard and as the Chief Naval Architect (1959-1970) at the BUSHIPS/Naval Ship Engineering Center (NAVSEC). As Chief Naval Architect, Nachtsheim supported the EIT program in order to build a

strong in-house design capability and continue the cooperative education (co-op) program for college students. He initiated the Naval Architecture/Marine Engineering long-term training program at the University of Michigan to provide specific training for ship design engineers with degrees in other fields of engineering.

Scholarship applicants must be an immediate family member of a NAVSEA employee and be either an incoming freshman, sophomore, junior, senior, or current graduate student planning a career in science, engineering or naval architecture. **Only full time students can apply.**

Scholarship award recipient(s) will be chosen based on: scholastic achievement, community involvement, teacher/professor recommendations, and a short essay.

Contributions to the John J. Nachtsheim Scholarship Fund can be made to: ASE, John J. Nachtsheim Scholarship Fund, P. O. Box 15864, Arlington, VA 22215. All funds donated will go toward the scholarship award(s).





***The Association of Scientists and Engineers
of the Naval Sea Systems Command***

Application John J. Nachtsheim Scholarship

Applicants Name:

Sponsors Name:

Sponsors Activity and Code:

Sponsors Relationship to Applicant:

College Level: Incoming Freshman ___ Freshman ___ Sophomore ___ Junior ___ Senior___ Graduate ___

University (accepted/currently attending):

Declared Major (if any):

GPA/Scale: High School _____ College _____

Scholastic Achievement(s):

Community Involvement:

Essay (limit to one page): Explain how you think engineering contributes to the betterment of society.

Scholarship Applications should be forwarded to: ASE, John J. Nachtsheim Scholarship, P. O. Box 15864, Arlington, VA 22215 and via e-mail to sowellda@nswccd.navy.mil by 31 May 2001. Recipients will be notified by 11 June 2001.

ASE point of contact is ASE Science and Education Committee Chairman, Dale Sowell, P. O. Box 15864, Arlington, VA 22215, Tel: (301) 227-4962 or e-mail sowellda@nswccd.navy.mil.

2001 Science Fair Judges

To carry on our time honored commitment to youth participation in the fields of science and engineering, ASE has once again volunteered NAVSEA employees to participate as judges in local area high school science and engineer fairs in 2001, and to present awards to students with exceptional projects related to naval applications.



Awardees will be offered the opportunity to display their projects as well as associate with the professional community at an ASE event. Also, awardees will be honored at a luncheon at the Naval Surface Warfare Center at Carderock where they will be presented with an ASE certificate and a U.S. Savings Bond.

ASE is always looking for interested NAVSEA employees, who are willing to volunteer their time to be judges at one or more of these fairs. No prior

experience as a judge is required - only a desire to contribute to developing future technical leaders and to have some fun!

ASE members have graciously volunteered their time to judge the following events:

Northern Virginia Regional Science and Engineering Fair
Wakefield High School,
Arlington, VA
March 17, 2001 - 9:30 am
Judge: **Rich Gendreau**

Prince George's Area Science Fair, Prince George's
Community College, Largo
Student Center, Largo, MD
March 31, 2001 - 7:45 am
Judge: **Danielle Hilliard**

Montgomery Area Science Fair
National Institute of Science and Technology (NIST)
Main Administration Building
Gaithersburg, MD
March 31, 2001 - 7:45 am
Judge: **Bob Milner**

Loudoun County Regional Science and Engineering Fair
Loudoun Valley High School
Purcellville, VA
March 22, 2001 - 8:00 am
Judge: **Walt Hussey**

55th Annual Citywide District of Columbia Mathematics, Science and Technology Fair
Howard University
March 17, 2001 - 8:30 am
Judges: **Dale Sowell**

Prince William-Manassas Regional Science Fair
March 17, 2001
Judges: **Vincent Calhoun**

Fairfax County Regional Science and Engineering Fair
March 17, 2001
Judges: **Dan Cross-Cole**

If you are able to share your time and expertise by judging a fair, please contact the ASE Science and Education Committee Chairman, Dale Sowell, or Co-Chairman, Dan Cross-Cole. Dale can be reached at telephone number 301-227-4962 or by e-mail at SowellDA@nswccd.navy.mil. Dan can be reached at telephone number 703-602-5593 x121 or by e-mail at Cross-ColeJD@NAVSEA.NAVY.MIL.



The Washington Navy Yard



Above – NAVSEA’s new home, building 197 (left) and building 201 (right), as seen from the Anacostia River.
Left – Artist’s rendering of one of two interior light courts within building 197.

ASE
Association of Scientists & Engineers
P.O. Box 15864
Arlington VA 22215-0864

Send Address changes to the above address or contact:

Beau Brinckerhoff, NAVSEA 05M1, 202-781-3659, BrinckerhoffBE@navsea.navy.mil